SELECTED PUBLICATIONS BY ESSA AUTHORS

- Adem, J., "A Parametric Method for Computing the Mean Water Budget of the Atmosphere," *Tellus*, Vol. 20, No. 4, 1968, pp. 621-632.
- Bailey, M. H. (with Tinga, J. H.), "Extreme Temperatures in Virginia," Research Division Report 128, Virginia Polytechnic Institute, Blacksburg, Dec. 1968, 16 pp.
- Bassinger, B. G., DeWald, O. E., and Peter, G., "Interpretation of the Magnetic Anomalies off Central California," *Journal of Geophysical Research*, Vol. 74, No. 6, Mar. 1969, pp. 1484-1487.
- Brown, M. J., and Vanderlip, R. L., "Relationship of Palmer Drought Variables to Yield of Winter Wheat," Agronomy Journal, Vol. 61, Jan.-Feb. 1969, pp. 95-98.
- Brunk, I. W., "Evaluation of Channel Changes in St. Clair and Detroit Rivers," Water Resources Research, Vol. 4, No. 6, Dec. 1968, pp. 1335-1346.
- Bryan, K., and Cox, M. D., "A Nonlinear Model of an Ocean Driven by Wind and Differential Heating: Part I. Description of the Three-Dimensional Velocity and Density Fields," *Journal of Atmospheric Sciences*, Vol. 25, No. 6, Nov. 1968, pp. 945-967.
- Bryan, K., and Cox, M. D., "A Nonlinear Model of an Ocean Driven by Wind and Differential Heating: Part II. An Analysis of the Heat, Vorticity and Energy Balance," Journal of Atmospheric Sciences, Vol. 25, No. 6, Nov. 1968, pp. 968-978.
- Conrad, G., "Linearization of Thermocouple Voltages," The Review of Scientific Instruments, Vol. 39, No. 11, Nov. 1968, pp. 1682-1685.
- Crosby, F. L. (with Daniell, J. W.), "Occlusion of Xylem Elements in Peach Trees Resulting from Cold Injury," Proceedings of the American Society for Horticultural Science, Vol. 93, 1968, pp. 128-134.
- Davies, K., and Chang, J. F., "Radio-Doppler Observations of the Ionosphere Near the Magnetic Equator," Proceedings of the XIVth Symposium of the Electromagnetic Wave Propagation Committee of the Avionics Panel of AGARD, Sandefjord, Norway, 19th-23rd August 1968, AGARD Conference Proceedings No. 37, AGARD Advisory Group for Aerospace Research & Development, Nevilly-Sur-Seine, France, Aug. 1968, pp. 52-1-52-6.
- Decker, M. T., and Dutton, E. J., "Radiometric Observations of Thunderstorm Cells," Proceedings of the Fifth Symposium on Remote Sensing of Environment, April 16-19, 1968, Infrared Physics Laboratory, Willow Run Laboratories, Institute of Science and Technology, University of Michigan, Ann Arbor, Sept. 1968, pp. 617-629.
- Finger, F. G., and McInturff, R. M., "The Diurnal Temperature Range of the Middle Stratosphere," *Journal of Atmospheric* Sciences, Vol. 25, No. 6, Nov. 1968, pp. 1116-1128.
- Gadsden, M., and Temple, J. T., "A Good Year for Aurora," The Science Teacher, Vol. 35, No. 9, Dec. 1968, pp. 24-25.
- Guttman, N. B., and Crutcher, H. L., "Wind and Temperature Effects on Supersonic Aircraft Operations," Weatherwise, Vol. 21, No. 6, Dec. 1968, pp. 220-226.
- Grim, P. J., and Erickson, B. H., "Fracture Zones and Magnetic Anomalies South of the Aleutian Trench," Journal of Geophysical Research, Vol. 74, No. 6, Mar. 1969, pp. 1488-1494.
- Harlin, B. W., "The Edgewood Arsenal Climate Calendar," Final Report, Technical Report ECOM 6039, U.S. Army Electronics Command, Meteorological Support Activity, Fort Huachuca, Ariz., Apr. 1969, 33 pp.
- Harris, D. L., "Hurricane Storm Surges," Hurricane Symposium October 10-11, 1966, Houston, Texas, American Society for Oceanography Publication No. 1, [1967?], pp. 200-228.
- Holbrook, S. G., "Climate of Shawnee, Oklahoma," Climatography of the United States No. 20-34, Shawnee, Oklahoma, Chamber of Commerce, Nov. 1968, 2 pp.

- Kish, A. J., "Clemson University and South Carolina Agricultural Experiment Stations 1968 Climatological Data," Agricultural Weather Research Series No. 19, South Carolina Agricultural Experiment Station, Clemson University, S.C., Jan. 1969, 40 pp.
- Kish, A. J., "1968 Climatological Report of the South Carolina Agricultural Weather Service," Agricultural Weather Research Series No. 20, South Carolina Agricultural Experiment Station, Clemson, S.C., Feb. 1969, 16 pp.
- Klug, W., "Diffusion in the Atmospheric Surface Layer: Comparison of Similarity Theory With Observations," Quarterly Journal of the Royal Meteorological Society, Vol. 94, No. 402, Oct. 1968, pp. 555-562.
- Kreuger, D. W., "The Use of Radar Data to Delineate Areas of High Forest Fire Danger," Proceedings of the Thirteenth Radar Meteorology Conference, McGill University, Montreal, Canada, 20-23 August 1968, American Meteorological Society, [1968?], pp. 408-411.
- Kuettner, J. P. (with Lilly, D. K.), "Lee Waves in the Colorado Rockies," Weatherwise, Vol. 21, No. 5, Oct. 1968, pp. 180-185, 193, 197.
- Landers, H., "Preliminary Report on South Carolina Radar Climatology," Climatic Research Series No. 4, South Carolina Agricultural Experiment Station, Clemson University, S.C., Apr. 1969, 28 pp.
- Landers, H. (with Allen, L. R., Anderson, L. P., Benton, D. A., Harvey, L. H., and Nolan, C. N.), "The Climate and Crops of 1968 in South Carolina," Climatic Research Series No. 5, South Carolina Agricultural Experiment Station, Clemson University, S.C., Apr. 1969, 54 pp.
- Landers, H., and Carter, H. S., "The Lake Hartwell Recreation Area," Climatology of the United States No. 21-38-2, South Carolina Agricultural Experiment Station, Clemson University, S.C., May 1969, 12 pp.
- Larson, J. C., "Long Waves Along a Single-Step Topography in a Semi-Infinite Uniformly Rotating Ocean," Journal of Marine Research, Vol. 27, No. 1, Jan. 1969, pp. 1-6.
- Lawrence, M. W., "Earth Crustal Movements by Precision Analytics," Photogrammetric Engineering, Mar. 1969, pp. 263-274.
- Liebe, H. J., and Dillon, T. A., "Accurate Foreign-Gas-Broadening Parameters of the 22-GHz H₂O Line from Refraction Spectrascopy," *The Journal of Chemical Physics*, Vol. 50, No. 2, Jan. 1969, pp. 727-732.
- Lindsay, C. V., "Air Mass Type and Season Favoring Long Cross-Country Soaring Flights Over the Eastern United States," "Soaring, the Journal of the Soaring Society of America, Vol. 33, No. 3, Mar. 1969, pp. 14-20.
- McAfee, J. R., "Topside Resonances as Oblique Echoes," Journal of Geophysical Research, Space Physics, Vol. 74, No. 3, Feb. 1, 1969, pp. 802-808.
- McClure, J. P., "Diurnal Variation of Neutral and Charged Particle Temperatures in the Equatorial F Region," Journal of Geophysical Research, Space Physics, Vol. 74, No. 1, Jan. 1, 1969, pp. 279-291.
- McElroy, J. L., and Pooler, F., Jr., "St. Louis Dispersion Study: Volume II. Analysis," National Air Pollution Control Administration Publication No. AP-53, U.S. Department of Health, Education, and Welfare, Public Health Service, Consumer Protection and Environmental Health Service, Arlington, Va., Dec. 1968, 51 pp.
- Miller, M. E. (with Weaver, C. R.), "Monthly and Annual Precipitation Probabilities for Selected Locations in Ohio," Research Bulletin 1017, Ohio Agricultural Research and Development Center, Wooster, Mar. 1969, 41 pp.

- Mott, P. A., and Smith, P. M., "Alabama Growing Degree Days,"

 Agricultural Weather Series No. 5, Agricultural Experiment

 Station, Auburn University, Ala., Nov. 1968, 33 pp.
- Namias, J., "The Labile Gulf of Alaska Cyclone—Key to Large-Scale Weather Modification Elsewhere," Proceedings of the International Conference on Cloud Physics, August 26-30, 1968, Toronto, Canada, American Meteorological Society, [1968?], pp. 735-739.
- Namias, J., "Long-Range Forecasting of the Atmosphere and Its Oceanic Boundary—An Interdisciplinary Problem," California Marine Research Commission Reports, Vol. XII, California Cooperative Oceanic Fisheries Investigations, May 1968, pp. 29-42.
- Niemeyer, L. E., and McCormick, R. A., "Some Results of Multiple Tracer Diffusion Experiments at Cincinnati," *Journal of the Air Pollution Control Association*, Vol. 18, No. 6, June 1968, pp. 403-405.
- Niemeyer, L. E., and Schiermeier, F. A., "Tall Stack Study Underway," Power Engineering, Vol. 73, No. 2, Feb. 1969, pp. 42-45.
- Orton, R., "The Meteorological Potential for Air Pollution in Texas," Texas Business Review, Vol. XLII, No. 10, Oct. 1968, 6 pp.
- Orton, R. (with Griffiths, J. F.), Agroclimatic Atlas of Texas: Part 1.

 Precipitation Probabilities, MP-888, Texas Agricultural Experiment Station, Texas A&M University, College Station, Aug. 1968, 248 pp.
- Quiroz, R. S., "Synoptic Density Maps of the Upper Atmosphere," Journal of Applied Meteorology, Vol. 7, No. 6, Dec. 1968, pp. 969-976.
- Quiroz, R. S., "Meteorological Rocket Research Since 1959 and Current Requirements for Observations and Analysis Above 60 Kilometers," NASA Contract Report CR-1293, National Aeronautics and Space Administration, Washington, D.C., Feb. 1969, 66 pp.
- Reed, R. K., "Deep Water Properties and Flow in the Central North Pacific," *Journal of Marine Research*, Vol. 27, No. 1, Jan. 1969, pp. 24-31.
- Ruff, I., Koffler, R., Fritz, S., Winston, J. S., and Rao, P. K., "Angular Distribution of Solar Radiation Reflected From Clouds as Determined From TIROS IV Radiometer Measurements," Journal of the Atmospheric Sciences, Vol. 25, No. 2, Mar. 1968, pp. 323-332.
- Schaal, L. A. (with B. O. Blair), "The Temperature Factor in Corn Production in Tippecanoe County, Indiana," Proceedings of the Indiana Academy of Science for 1967, Vol. 77, 1968, pp. 389-395.
- Schermerhorn, V. P., and Kuehl, D. W., "Operational Streamflow Forecasting With the SSARR Model," The Use of Analog and Digital Computers in Hydrology, Contributions to the Symposium organized by IASH and held at Tucson, Ariz., Dec. 1968, Ceuterick Printers, Louvain, Belgium, [1969?], pp. 317-328.
- Schmid, H. H., "Application of Photogrammetry to Three-Dimensional Geodesy," Transactions of the American Geophysical Union, Vol. 50, No. 1, Jan. 1969, pp. 4-12.

- Schroeder, M. J. (with Taylor, B. B.), "Inaja Fire—1956, Pine Hills Fire—1967... Similar, Yet Different," U.S.D.A. Forest Service Research Note PSW-183, Pacific Southwest Forest & Range Experiment Station, Berkeley, Calif., 1968, 7 pp.
- Shimazaki, T., and Laird, A. R., "Nighttime Variations of F-Region Electron Density Profiles at Puerto Rico: 3. Seasonal and Solar Cycle Variations in Temperature and Vertical Drift Velocity Deduced From Ionospheric Data," Journal of Geophysical Research, Space Physics, Vol. 73, No. 23, Dec. 1, 1968, pp. 7399-7406.
- Strommen, N. D., Michigan Snowfall Statistics; First 1-, 3-, 6-, 12-Inch Depths, Michigan Department of Agriculture, Michigan Weather Service, June 1968, 31 pp.
- Strommen, N. D., *Michigan Snow Depths*, Michigan Department of Agriculture, Michigan Weather Service, Feb. 1969, 17 pp.
- Strommen, N. D., and Van Den Brink, C. (with Kidder, E. H.), "Meteorological Drought in Michigan," Natural Resources Research Report 78, Michigan State University Agricultural Experiment Station, East Lansing, Feb. 1969, 24 pp.
- Thompson, M. C., Jr., "Integrated Air Density Near the Earth's Surface From Electromagnetic Phase Measurement," *Journal of Applied Meteorology*, Vol. 7, No. 6, Dec. 1968, pp. 977-980.
- Thompson, M. C., Jr., and Vetter, M. J., "Dual Mode Microwave Cavities for Dispersion Measurement," The Review of Scientific Instruments, Vol. 39, No. 9, Sept. 1968, pp. 1333-1335.
- Van Zandt, T. E., and Peterson, V. L., "Detailed Maps of Tropical 6300 Å Nightglow Enhancements and Their Implications on the Ionospheric F2 Layer," Extrait des Annales de Gophysique, T.24, fasc. 3, 1968, pp. 747-759.
- Viebrock, H. J., "Interdisciplinary Program in Antarctic Meteorology," Antarctic Journal of the United States, Vol. 3, No. 5, Sept.-Oct. 1968, pp. 187-189.
- Viebrock, H. J., and Becker, R. J., "Analysis of Drifting Station Charlie Upper Air Data in an Arctic Stratospheric Synoptic Case Study," Arctic Drifting Stations, The Arctic Institute of North America, Montreal, Canada, 1968, pp. 129-148.
- Viebrock, H. J., and Flowers, E. C., "Comments on the Recent Decrease in Solar Radiation at the South Pole," Tellus, Vol. XX, No. 3, 1968, pp. 400-411.
- Waite, P. J., "Our Weather is Cooling Off," Iowa Farm Science, Vol. 23, No. 6, Dec. 1968, pp. 13-15.
- Weinstock, J., "Turbulent Diffusion, Particle Orbits, and Field Fluctuations in a Plasma in a Magnetic Field," The Physics of Fluids, Vol. 11, No. 9, Sept. 1968, pp. 1977-1981.
- Williams, P., Jr., "I. Objective Forecasting," Technical Report 211, Air Weather Service (MAC), U.S. Air Force, Washington, D.C., Dec. 1968, pp. 1-44.
- Yao, A. Y. M., "Climatic Hazards to the Agricultural Potential in the North China Plain," Agricultural Meteorology, Vol. 6, No. 1, Elsevier Publishing Co., Amsterdam, Jan.-Feb. 1969, pp. 33-48.
- Zegel, F. H., and Fridovich, B., "Devices to Produce Laser Incoherency," Applied Optics, Vol. 7, Oct. 1968, p. 2138.
- Zetler, B. D., "Tides" and "Tide Forecasting," Handbook of Ocean and Underwater Engineering, McGraw-Hill Book Co., Inc., New York, pp. 1-74-1-81, 11-109-11-113, and 11-119.